IN THE CLAIMS:

1. (Currently Amended) A method ~~for generating a real-time vertically and horizontally downscaled video signal (20) of a video image (11) by an image generating and processing block (12)~~, comprising ~~the steps of~~:

generating (30) a real-time video signal of the video image ~~(11)~~ by a camera sensor ~~(14)~~ of the image generating and processing block ~~(12)~~,

generating ~~(32)~~ a real-time horizontally downscaled video signal ~~(18)~~ using horizontal downscaling of the real-time video signal by the camera sensor ~~(14)~~ without using a line memory, and

generating ~~(38)~~ the real-time vertically and horizontally downscaled video signal ~~(20)~~ using vertical downscaling of the real-time horizontally downscaled video signal ~~(18)~~ by a processing block ~~(16)~~ of the image generating and processing block ~~(12)~~.

2. (Currently Amended) The method of claim 1, before ~~the step of~~ said generating ~~(38) a~~ the real-time vertically and horizontally downscaled video signal ~~(20)~~, further comprising the step of:

providing ~~(36)~~ said real-time horizontally downscaled video signal ~~(18)~~ from the camera sensor ~~(14)~~ to the processing block ~~(16)~~ through a camera compact port ~~(CCP)~~ bus ~~(15)~~ of the image generating and processing block ~~(12)~~.

3. (Currently Amended) The method of claim 1, wherein the camera sensor ~~(14)~~ has a camera memory ~~(14a)~~.

4. (Currently Amended) The method of claim 1, wherein the processing block ~~(16)~~ has a processing memory ~~(16a)~~.

5. (Currently Amended) The method of claim 1, further comprising ~~the step of~~:

providing ~~(40)~~ the real-time vertically and horizontally downscaled video signal ~~(20)~~ indicative of the video image ~~(11)~~ through an internal bus ~~(25a)~~ to a real-time viewfinder display ~~(22)~~ and displaying said video image ~~(11)~~ on the real-time viewfinder display ~~(22)~~.

6. (Currently Amended) The method of claim 5, wherein the image generating and processing block ~~(12)~~ is a part of a camera-phone mobile device ~~(10)~~.

7. (Original) The method of claim 6, wherein the processing block ~~(16)~~ is a base band ~~(BB)~~ engine of the camera-phone mobile device ~~(10)~~.

8. (Currently Amended) The method of claim 6, further comprising ~~the steps of~~:

encoding ~~(42)~~ the real-time vertically and horizontally downscaled video signal ~~(20)~~ by a video packing block ~~(24)~~ of the image generating and processing block ~~(12), thus~~ for generating an encoded video signal ~~(27)~~, and

providing said encoded video signal ~~(27)~~ through a further internal bus ~~(27a, 27b, 27c) optionally~~ to at

least one of: a file/stream block ~~(28)~~ and ~~to~~ a phone memory ~~(28a)~~ of the camera-phone mobile device ~~(10)~~.

9. (Currently Amended) The method of claim 1, further comprising ~~the step of~~:

encoding ~~(42)~~ the vertically and horizontally downscaled video signal ~~(20)~~ by a video packing block ~~(24)~~ of the image generating and processing block ~~(12), thus~~ for generating an encoded video signal ~~(26)~~.

10. (Currently Amended) An image generating and processing block ~~(12)~~, comprising:

a camera sensor ~~(14)~~, responsive to a video image ~~(11)~~, ~~for generating~~ configured to generate a real-time video signal of the video image ~~(11)~~ and ~~for~~ further configured to generate ~~generating~~ a real-time horizontally downscaled video signal ~~(18)~~ using horizontal downscaling of the real-time video signal without using a line memory ~~by the camera sensor (14)~~; and

a processing block ~~(16)~~, responsive to the real-time horizontally downscaled video signal ~~(18)~~, configured to generate ~~for generating~~ a real-time vertically and horizontally downscaled video signal ~~(20)~~ using vertical downscaling of the real-time horizontally downscaled video signal ~~(18)~~.

11. (Currently Amended) The image generating and processing block ~~(12)~~ of claim 10, wherein the camera sensor ~~(14) has~~ comprises a camera memory ~~(14a)~~.

12. (Currently Amended) The image generating and processing block ~~(12)~~ of claim 10, wherein the processing block ~~(16) has~~ comprises a processing memory ~~(16a)~~.

13. (Currently Amended) The image generating and processing block ~~(12)~~ of claim 10, further comprising:

a camera compact port ~~(CCP)~~ bus ~~(15)~~, responsive to the real-time horizontally downscaled video signal ~~(18)~~ from the camera sensor ~~(14)~~, ~~for providing~~configured to provide the real-time horizontally downscaled video signal ~~(18)~~ to the processing block ~~(16)~~.

14. (Currently Amended) A camera-phone mobile device ~~(10)~~, comprising:

an image generating and processing block ~~(12)~~ configured to generate ~~for generating~~ a real-time vertically and horizontally downscaled video signal ~~(20)~~ of a video image ~~(11)~~, and configured to encode ~~for encoding~~ said real-time vertically and horizontally downscaled video signal ~~(20) thus~~ for generating an encoded video signal, wherein said real-time vertically and horizontally downscaled video signal is horizontally downscaled first without using a line memory ~~(27)~~; and

a real-time viewfinder display ~~(22)~~, responsive to the real-time vertically and horizontally downscaled video signal ~~(20)~~, configured to provide ~~for providing~~ a display of the video image ~~(11)~~ indicative by said real-time vertically and horizontally downscaled video signal ~~(20)~~.

15. (Currently Amended) A camera-phone mobile device ~~(10)~~ of claim 14, further comprising:

a file/stream block ~~(28)~~, responsive to the encoded signal ~~(27b, 27c)~~, configured to provide ~~for providing~~ a call connection ~~(28b)~~ to other mobile devices; and

a phone memory ~~(28a)~~, responsive to the encoded signal ~~(27a)~~, configured to provide ~~for providing~~ the encoded signal ~~(27)~~.

16. (Currently Amended) A camera-phone mobile device ~~(10)~~ of claim 14, wherein the image generating and processing block ~~(12),~~ ~~comprising~~ comprises:

a camera sensor ~~(14)~~, responsive to the video image ~~(11)~~, configured to generate ~~for generating~~ the real-time video signal of the video image ~~(11)~~ and ~~for~~ further configured to generate ~~generating~~ a real-time horizontally downscaled video signal ~~(18)~~ using horizontal downscaling of the real-time video signal ~~by the camera sensor (14)~~;

a processing block ~~(16)~~, responsive to the real-time horizontally downscaled video signal ~~(18)~~, configured to generate ~~for generating~~ the real-time vertically and horizontally downscaled video signal ~~(20)~~ using vertical downscaling of the real-time horizontally downscaled video signal ~~(18)~~.

17. (Currently Amended) The camera-phone mobile device ~~(10)~~ of claim 16, wherein the processing block ~~(16)~~ is a base band ~~(BB)~~ engine of the camera-phone mobile device ~~(10)~~.

18. (Currently Amended) The camera-phone mobile device ~~(10)~~ of claim 16, wherein the camera sensor ~~(14) has~~ comprises a camera memory ~~(14a)~~.

19. (Currently Amended) The camera-phone mobile device ~~(10)~~ of claim 16, wherein the processing block ~~(16) has~~ comprises a processing memory ~~(16a)~~.

20. (Currently Amended) The camera-phone mobile device ~~(10)~~ of claim 16, further comprising:

a camera compact port ~~(CCP)~~ bus ~~(15)~~, responsive to the real-time horizontally downscaled video signal ~~(18)~~ from the camera sensor ~~(14)~~, configured to provide ~~for providing~~ the real-time horizontally downscaled video signal ~~(18)~~ to the processing block ~~(16)~~.